

St7a-MR: Mine Footprint and Reclaim, School Trust Fund, (Section 32, Hagen Township)

Aggregate Potential:

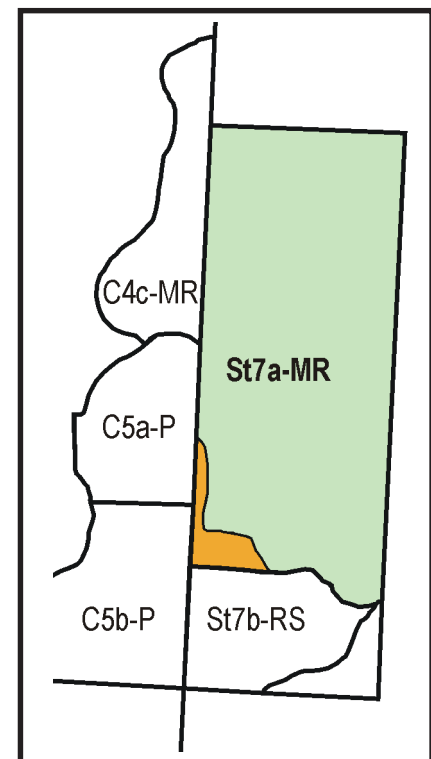
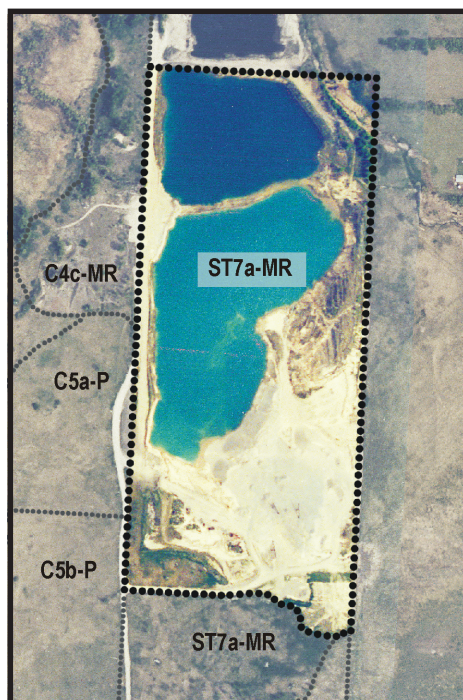
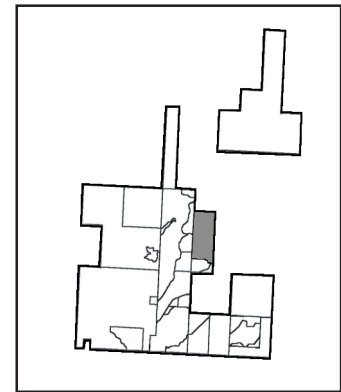
High but nearly depleted. Berms contain aggregate and should be mined. Stockpile and plant area have a sand lens above high quality gravel. It may not be economically feasible to mine this material.

Prairie Habitat Assessment:

Most of the area is open water or disturbed. Small areas of dry and mesic prairie remain on the north side of the south haul road.

Fen Impacts:

Past mining has reduced head pressure to the north fen which already shows signs of impact. Expanding south could impact both fens by diverting groundwater and further reducing head pressure. Expansion of gravel mining north on private land may also impact groundwater delivery to both fens.



Area Statistics

	Landtype	Acres
	Mesic Prairie (Northwest)	4.11
	Mine Operation	97.40
Total		101.51

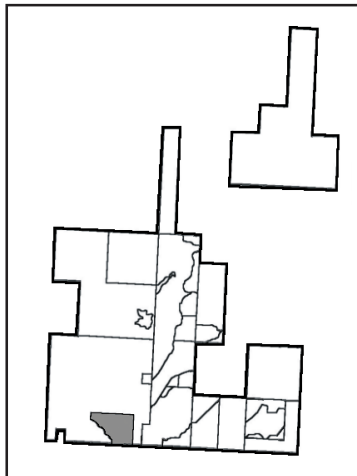
Recommendations:

Continue mining any material still below the water table in the existing footprint. Remove the dike between ponds. Develop a coordinated reclamation plan with the county mine. Reclaim with native species. After reclamation compensate the School Trust Fund for the value of the land and transfer administration to the Felton WMA.

Timeframe:

The current lease with Aggregate Industries expires in 2007. When the aggregate is depleted, the area should be reclaimed and native prairie restored. A proposed mining plan (Walk, 1997) calls for progressive reclamation and redistribution of 270,000 c.y. of spoil to decrease slopes on the east side of the pond. However this material might be used by the county to mix Class 5.

Reclaim



DNR 2c-RC (USFWS easement): Reclaim Depleted Zillmer Pit, DNR, (Section 1, Flowing Township)

Aggregate Potential:

None, shallow beach ridge deposits of poor quality

Prairie Habitat Assessment:

Small area of wet prairie on north side. Most of the area is disturbed and needs restoration.

Recommendations:

Reclaim spoil piles and smooth slopes around pond where necessary for reseeding. Restore mesic and dry prairie vegetation. Continue reclamation work started by the stewardship committee.



Habitat Management:

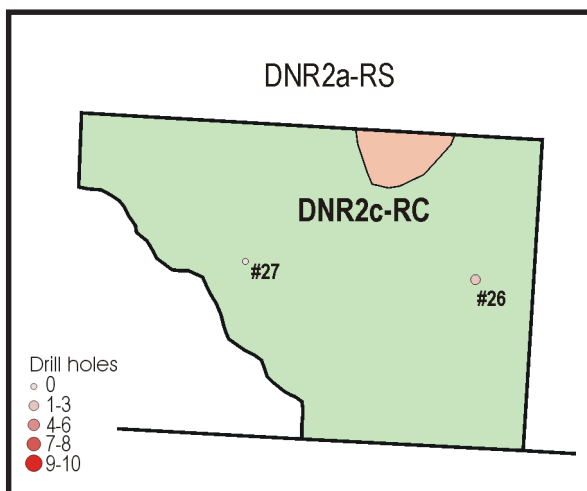
Mow 2-3 times annually the first 3 years of establishment. Maintain with prescribed burning.

Interpretive Site:

A parking lot and interpretive signs have been developed for public access and education. Native grasses should be restored along the perimeter of the parking area and a more detailed planting scheme featuring native plants should be developed and installed at the interior island. The parking lot should be monitored on a regular basis by the DNR.

Timeframe:

The grading concluded 6/2001. Seeding will take place spring of 2002.



Area Statistics

	Landtype	Acres
	Grasslands, Bare Ground, Water	54.28
	Wet Prairie (Northwest)	2.02
Total		56.30

Drillhole Statistics

Drillhole	Gravel Thickness	Gravel Above Fen	Aggregate Ratio	Quality
26	6	NA	0.67	3.0
27	0	NA	0.00	0.0

Drillhole symbols are scaled and colored to represent the committee's estimate of the deposit quality. Quality increases with circle size and saturation.